

Preliminary Disturbance Report

August 14, 2003 Sequence of Events

Reported by the North American Electric Reliability Council

Posted on www.nerc.com August 15, 2003 6:20 pm EDT

- The following information represents a partial sequence of events based upon Reliability Coordinator information available to NERC. It is not clear if these events caused the event or were a consequence of other events. NERC is establishing teams to study the event and will coordinate with FERC, DOE, the industry and others.
- Midwest Independent System Operator (MISO) Report Only
- Approximate times (all times given Eastern Daylight Time)
- The Northeastern United States and Canada did not report significant outages prior to 4:11 pm EDT.

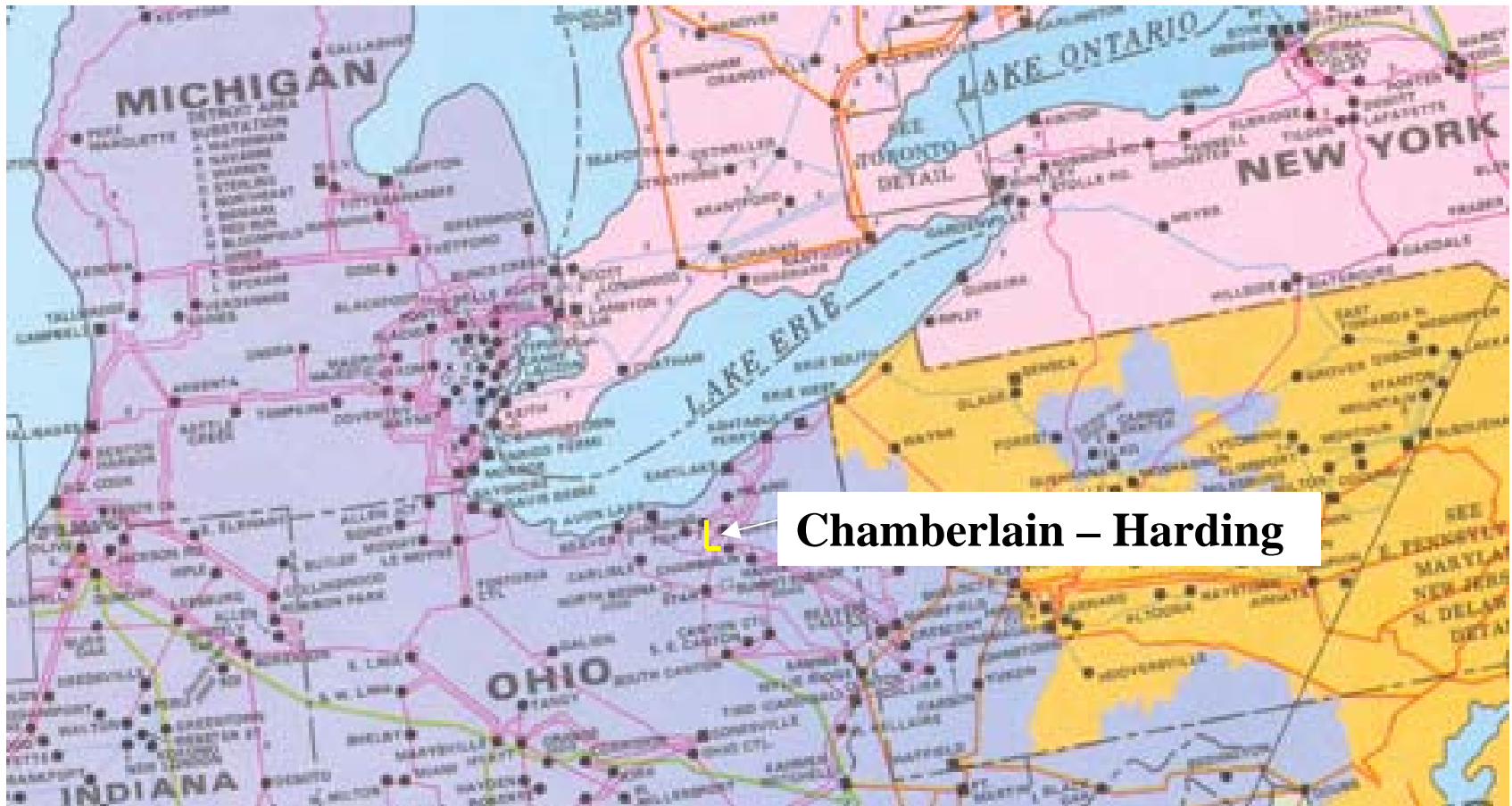
Graphics developed by Jeff Dagle (DOE/PNNL) August 16, 2003

Map © 2000 North American Electric Reliability Council

3:06 pm EDT

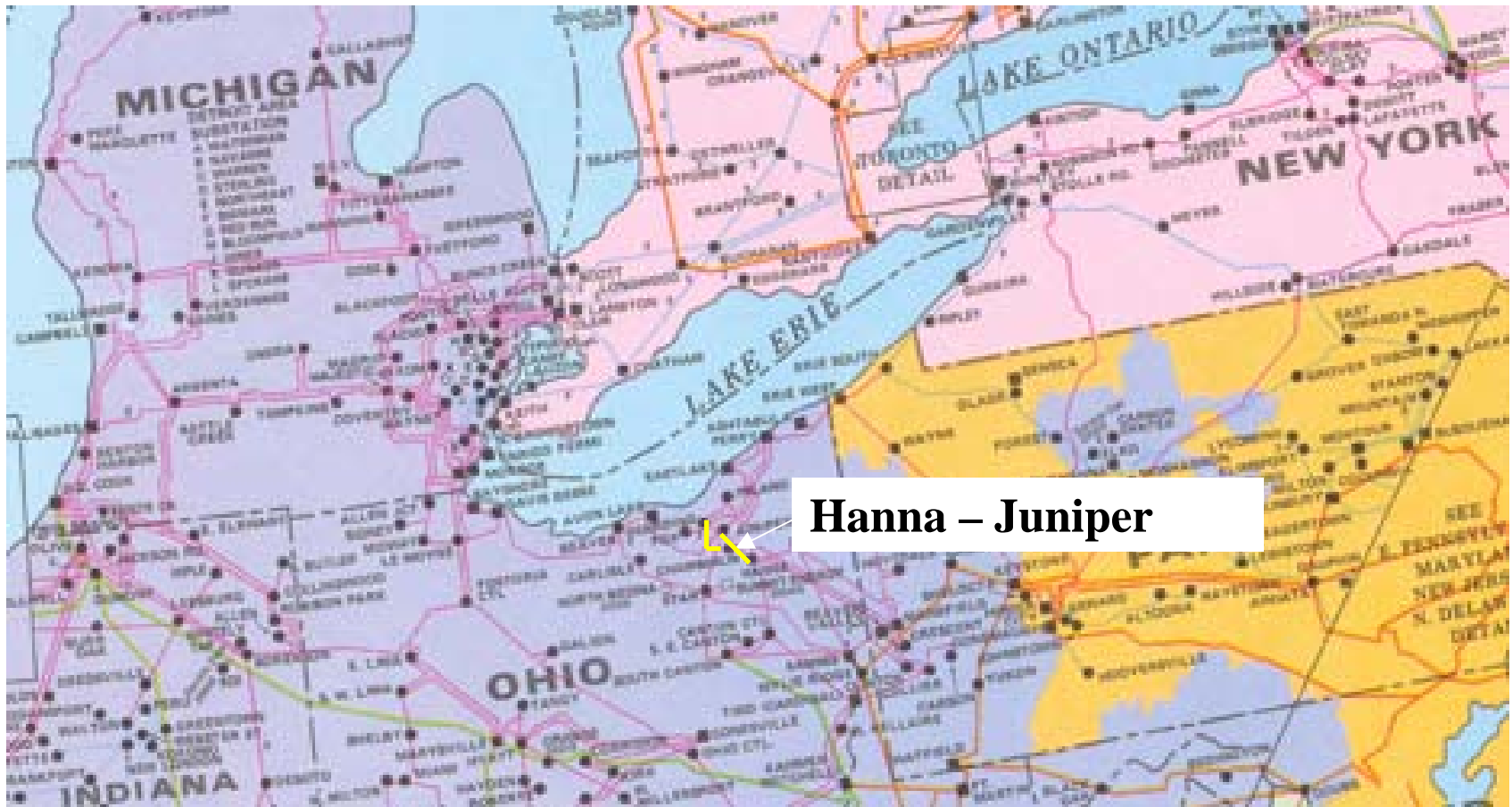
Chamberlain – Harding 345kV line tripped

Cause not reported



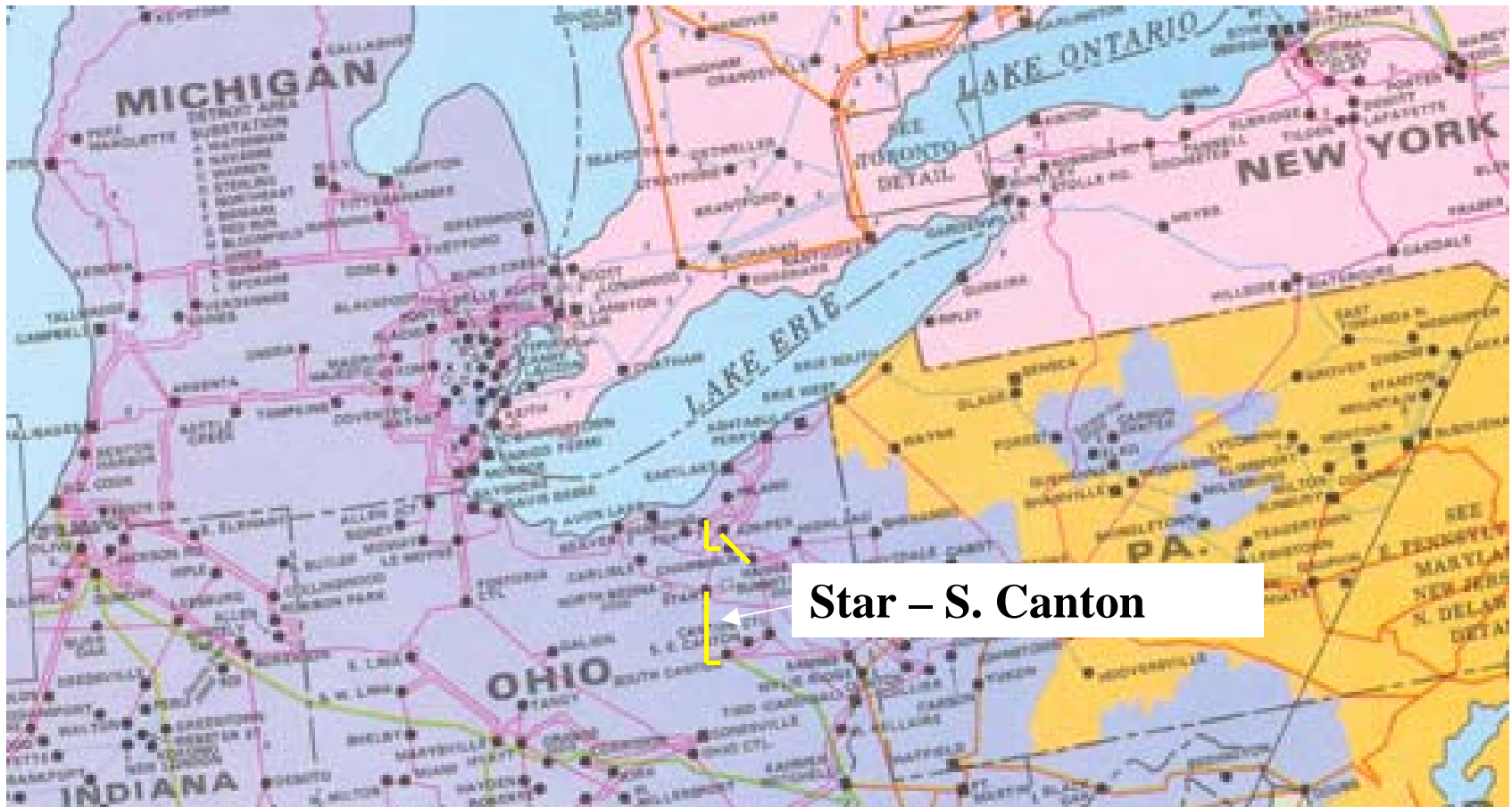
3:32 pm EDT

Hanna – Juniper 345kV line sagged and tripped



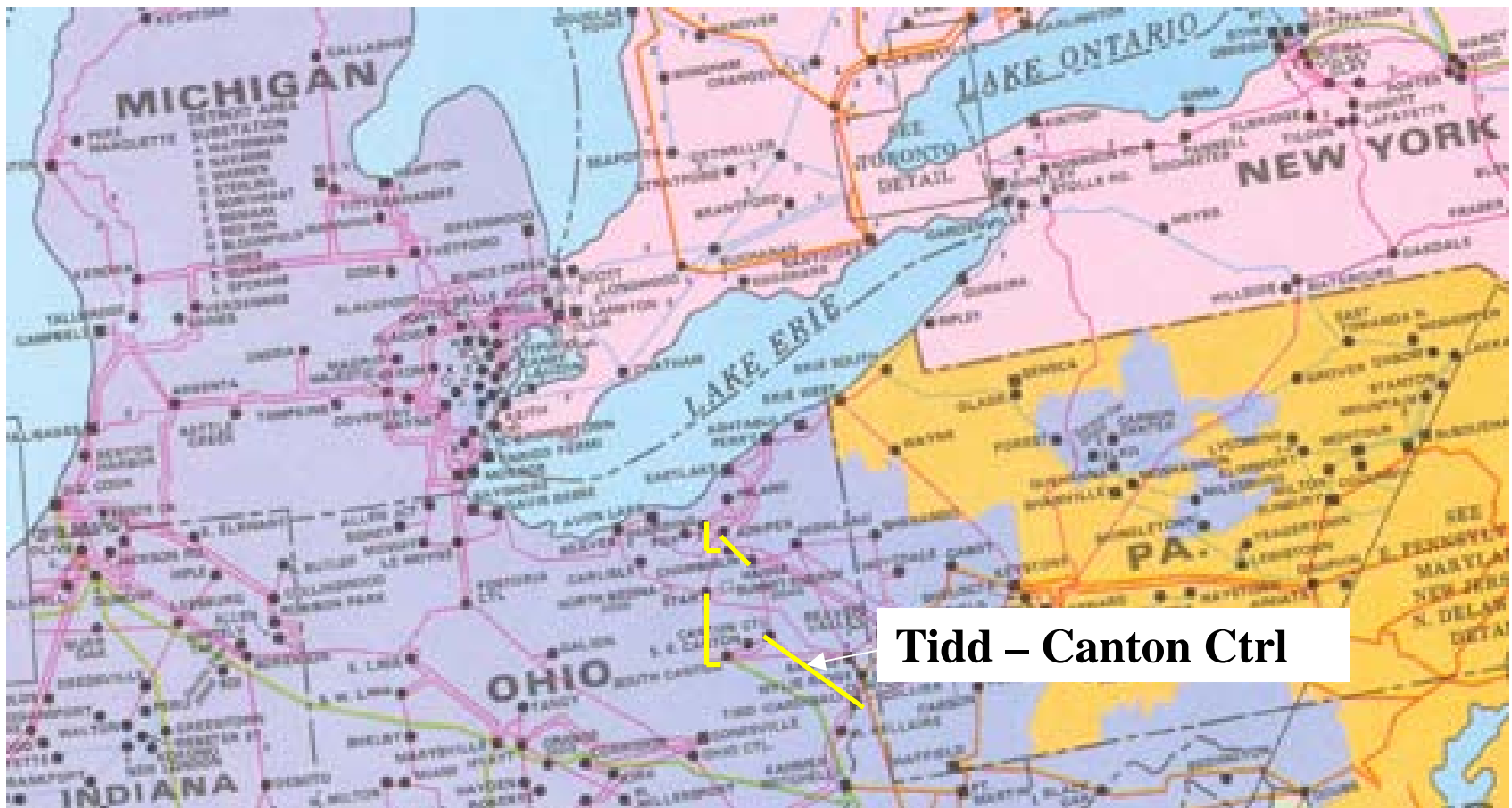
3:41 pm EDT

Star – S. Canton 345 kV line tripped



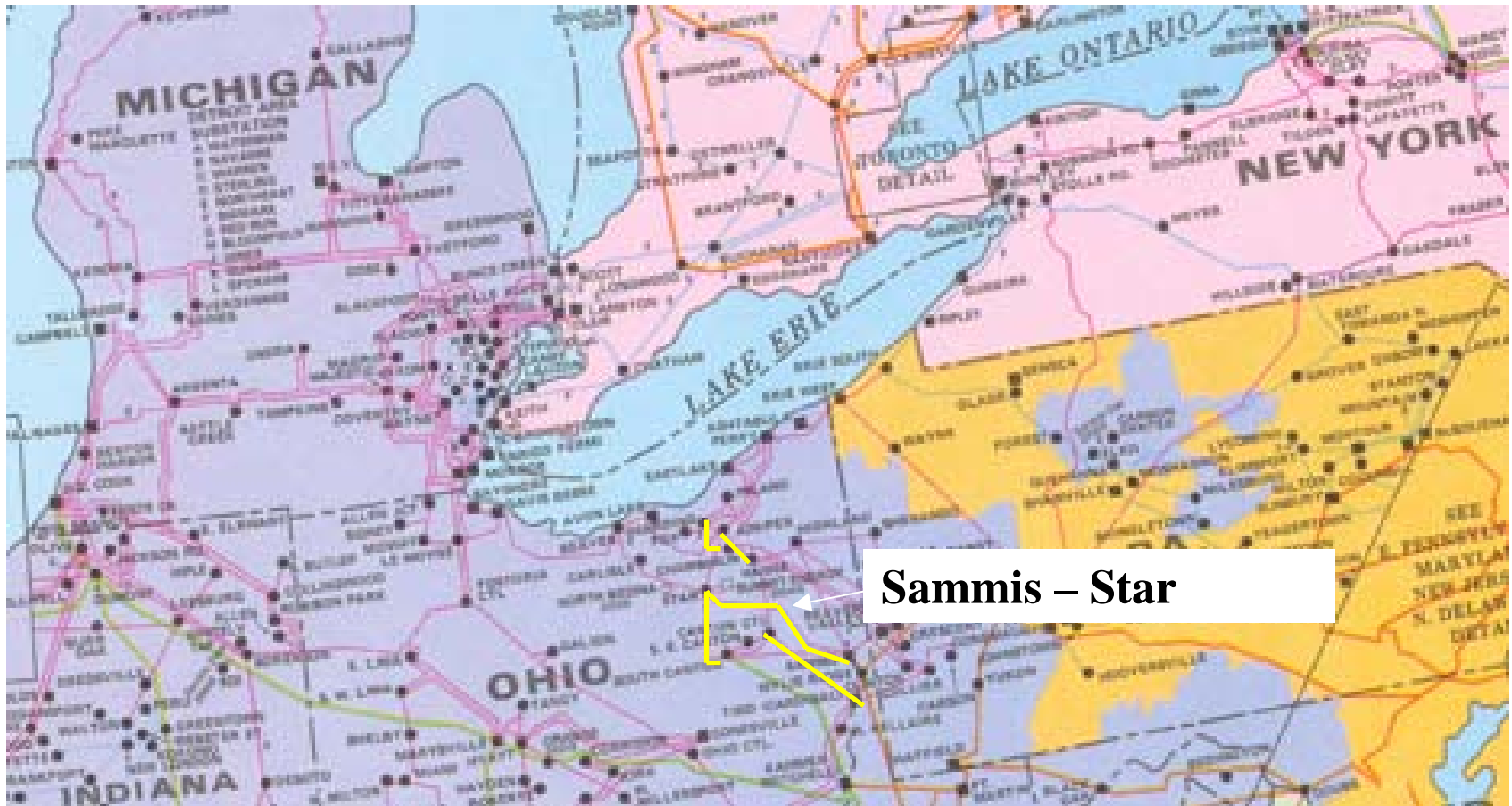
3:46 pm EDT

Tidd – Canton Ctrl 345 kV line tripped



4:06 pm EDT

Sammis – Star 345 kV line tripped and reclosed



4:10 pm EDT

Campbell #3 Tripped ?

Hampton – Thetford 345 kV line tripped

Oneida – Majestic 345 kV line tripped



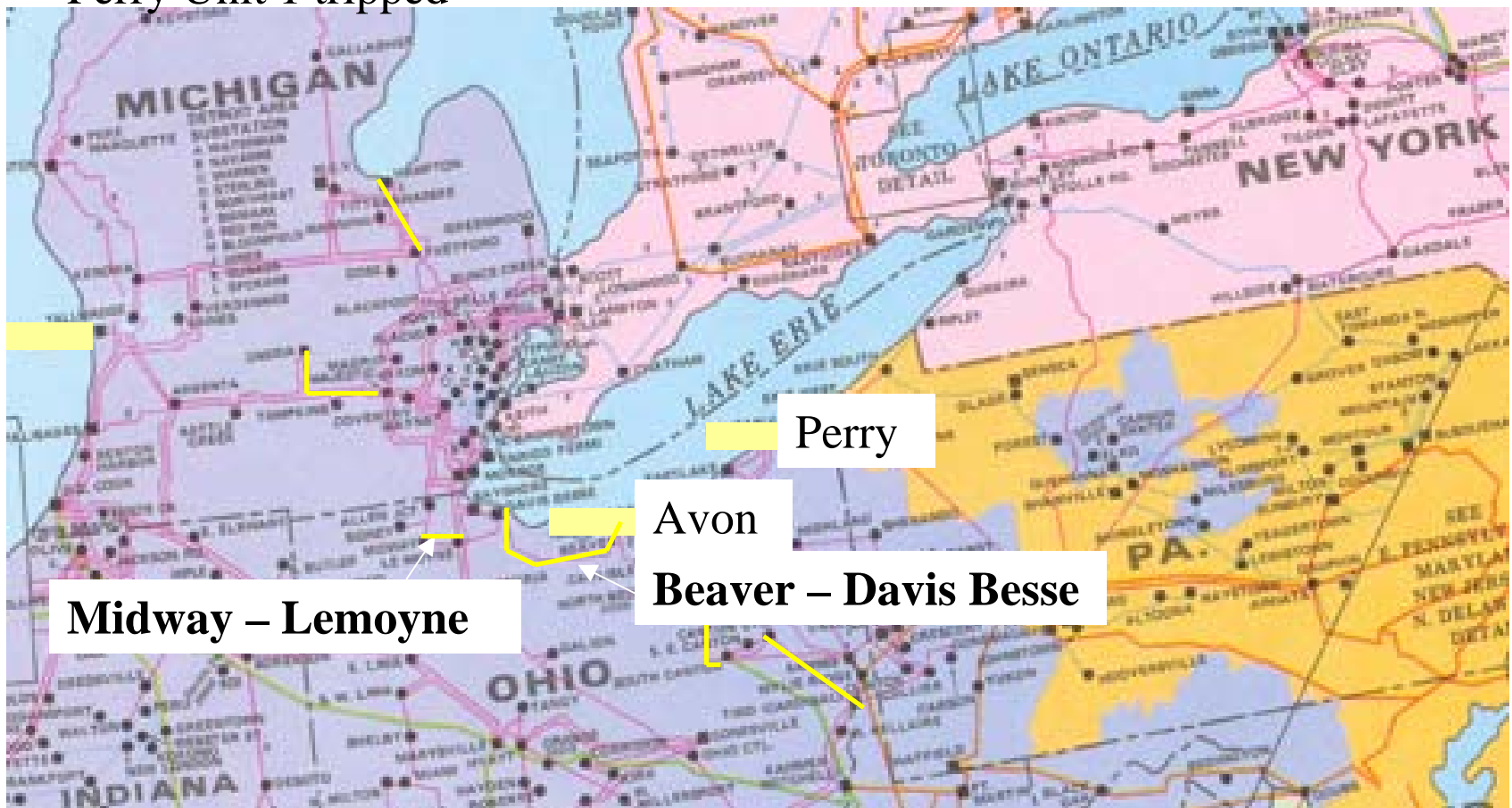
4:11 pm EDT

Avon Unit 9 Tripped

Beaver – Davis Besse

Midway – Lemoyne – Foster 138 (?) kV line tripped

Perry Unit 1 tripped



4:15 pm EDT: Sammis – Star 345 kV line tripped and reclosed

4:17 pm EDT: Fermi Nuclear tripped

4:17 – 4:21 EDT: Numerous lines in Michigan tripped

